Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	03/02/2021 08:56 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/15/2020 11:39 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	91417	Expiration Date:	03/31/2021
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124691	-1	2.92	124790	2.90
Blue	F	SSC	125000	124081	-1	3.93	125005	3.85
Blue	E	FITC	14203	13769	-4	3.16	298	15.46
Blue	D	PE	25703	25423	-2	2.83	552	10.64
Blue	B	PerCP-Cy5-5	42104	41030	-3	3.57	914	14.69
Blue	A	PE-Cy7	34646	34380	-1	4.77	488	29.22
Red	C	APC	49824	49471	-1	3.20	1513	11.45
Red	A	APC-Cy7	39773	38936	-3	3.26	725	11.82
Violet	B	V450	7447	7147	-5	4.07	399	13.18
Violet	A	V500	31193	30197	-4	3.84	686	10.64

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21929	3.28	548	-8	N/A	N/A	Pass
Blue	F	SSC	54861	3.37	512	0	N/A	N/A	Pass
Blue	E	FITC	55	57.02	482	-4	0.0445	291	Pass
Blue	D	PE	109	38.51	484	-1	0.3921	286	Pass
Blue	B	PerCP-Cy5-5	175	35.87	574	-3	0.0194	53	Pass
Blue	A	PE-Cy7	113	63.01	619	-1	0.0223	0	Pass
Red	C	APC	353	24.29	568	1	0.0284	140	Pass
Red	A	APC-Cy7	201	24.86	545	1	0.0064	843	Pass
Violet	B	V450	88	42.83	454	5	0.0436	1578	Pass
Violet	A	V500	121	32.54	472	5	0.0239	1178	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	03/02/2021 08:56 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/15/2020 11:39 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.75	-31.38	0.99
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.42
Red	20.79	15.99 - 23.99	N/A	N/A	29.71	30.06	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.74

Threshold

Threshold (FSC): 13139

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments